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NOTICE OF ALLOWANCE AND FEE(S) DUE

490

7590

06/24/2005

VIDAS, ARRETT & STEINKRAUS, P.A. 6109 BLUE CIRCLE DRIVE SUITE 2000 MINNETONKA, MN 55343-9185 EXAMINER

DOERRLER, WILLIAM CHARLES

ART UNIT

PAPER NUMBER

3744

DATE MAILED: 06/24/2005

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/643,239	08/18/2003	Ig Saeng Kim	S40.2B-11278-US01	3289

TITLE OF INVENTION: HEAT DRIVEN ACOUSTIC ORIFICE TYPE PULSE TUBE CRYOCOOLER

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	· \$1700	09/26/2005

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

maintenance fee notification	ons.		specifying a nev		s; and/or (b) indicating a sepa	
CURRENT CURRESPONDER	NT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)		Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying			
490	7590 06/24/2005			papers. Each addition have its own certification	al paper, such as an assignme te of mailing or transmission.	nt or formal drawing, must
VIDAS, ARRE	TT & STEINKRAUS	P.A.		Ce	rtificate of Mailing or Trans	mission
6109 BLUE CIRC		,		I hereby certify that t States Postal Service	his Fee(s) Transmittal is being with sufficient postage for firs il Stop ISSUE FEE address PTO (703) 746-4000, on the d	deposited with the United st class mail in an envelope
SUITE 2000 MINNETONKA,	MN 55343-9185			transmitted to the US	PTO (703) 746-4000, on the d	ate indicated below.
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						(Date)
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nonprovisional	NO	\$1400		\$300	\$1700	09/26/2005
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DOERRLER, WI	ILLIAM CHARLES	3744		062-006000	_	
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CFR 1.363).		,	(1) the names	of up to 3 registered pate	4	
	ndence address (or Change of 122) attached.		or agents OR, a	atternatively, f a single firm (having as	a member a 2	
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Number is required.	or more recent) attached. Us	e or a Customer	listed, no name	will be printed.	3	
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 PLEASE NOTE: Unles recordation as set forth 	ss an assignee is identified bein 37 CFR 3.11. Completion	elow, no assignee of of this form is NOT	data will appear of a substitute for f	on the patent. If an assig	nee is identified below, the de	ocument has been filed for
(A) NAME OF ASSIGN	NEE	(B)) RESIDENCE: (CITY and STATE OR CO	OUNTRY)	
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4a. The following fee(s) ar	te assignee category or catego				Corporation or other private gro	oup entity Government
Issue Fee	e enclosed:	. 40.	Payment of Fee(s): e amount of the fee(s) is e	nclosed	
	small entity discount permitte	ed)	_	redit card. Form PTO-203		
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6 Change in Entity Status	s (from status indicated above	-)	Deposit Account	Number	(enclose an extra co	opy of this form).
	SMALL ENTITY status. See	,	b. Applicant i	s no longer claiming SMA	ALL ENTITY status. See 37 Cl	FR 1.27(g)(2).
interest as shown by the re-	cords of the United States Pat	will not be accepted ent and Trademark	Office.	er man me applicant; a reg	sly paid issue fee to the applica gistered attorney or agent; or th	ie assignee or other party in
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an application. Confidentia submitting the completed; this form and/or suggestion Box 1450, Alexandria, Vir Alexandria, Virginia 22313	ality is governed by 35 U.S.C application form to the USPT is for reducing this burden, sl ginia 22313-1450. DO NOT 3-1450.	. 122 and 37 CFR 1 O. Time will vary hould be sent to the SEND FEES OR C	1.14. This collecti depending upon to Chief Informatio COMPLETED FO	on is estimated to take 12 the individual case. Any con Officer, U.S. Patent and RMS TO THIS ADDRES	the public which is to file (and minutes to complete, includin comments on the amount of tir d Trademark Office, U.S. Depa S. SEND TO: Commissioner	ng gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,
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MINNETONKA, MN 55343-9185			3744			
			DATE MAILED: 06/24/200:	5		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 249 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 249 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571) 272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.